

TAIPAN

THERMAL IMAGING MONOCULAR



The Taipan handheld observational thermal monocular is equipped with a 384x288 infrared detector and a 1280x960 LCOS display. It supports functions of observation, highest temperature target tracking, distance measurement, Wi-Fi hotspot, and so on. The high-sensitivity built-in thermal detector provides you with clear view even in total darkness. The monocular is mainly applied to scenarios such as patrolling, law enforcement, searching and rescuing, drug enforcement, anti-smuggling, criminal seizing, hiking, travel, and hunting, etc.

- 384x288 resolution, 12 μm, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR
- 1280 × 960 resolution 0.4-inch LCOS display
- Built-in rechargeable Lithium battery
- More than 7.5 hours continuous running (with Wi-Fi hotspot function off)
- Wi-Fi hotspot
- Type-C interface
- Limited 3-year warranty

FUNCTIONS

Distance Measurement:

The device realizes distance measurement function after marking the top and bottom of target, and input the target height.

Hot Spot Mark:

The device detects and marks the hot spot of highest temperature.

Mode Switch:

Device supports pallet switch and distance measurement.

Storage:

Built-in memory module supports video recording/snapshot capturing.

Digital Zoom:

Device supports 1x, 2x, 4x, and 8x digital zoom.

Wi-Fi Hotspot:

Device can capture snapshots, record videos, and set parameters via APP after being connected to your phone.



SPECIFICATIONS

	Taipan TM15-384	Taipan TM19-384	Taipan TM25-384
Detector Type	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384x288	384x288	384x288
Pixel Interval	12 µm	12 µm	12 µm
Refresh Rate	50 Hz	50 Hz	50 Hz
Response Waveband	8µm to 14µm	8µm to 14µm	8µm to 14µm
NETD	Less than 35 mk (@25°C), F#=1.0	Less than 35 mk (@25°C), F#=1.0	Less than 35 mk (@25°C), F#=1.0
Detection Range	708 m	897 m	1180 m
Lens (Focal Length)	15 mm	19 mm	25 mm
Aperture	F1.0	F1.0	F1.0
Field of View	17.5° x 13.1° (H x V)	13.8° x 10.4° (H x V)	10.5° x 7.9° (H x V)
Magnification	1.5x	1.9x	2.5x
Digital Zoom	2x, 4x, 8x	2x, 4x, 8x	2x, 4x, 8x
Monitor	1280x960, 0.4 inch, LCOS	1280x960, 0.4 inch, LCOS	1280x960, 0.4 inch, LCOS
FFC (Flat Field Correction)	Auto, Manual, External Correction	Auto, Manual, External Correction	Auto, Manual, External Correction
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Highest Temperature Spot Tracking	Yes	Yes	Yes
Wi-Fi Hotspot	Yes	Yes	Yes
Standby Mode	Yes	Yes	Yes
Storage	Built-in memory module (8 GB)	Built-in memory module (8 GB)	Built-in memory module (8 GB)
Record Video	On-board video recording	On-board video recording	On-board video recording
Capture Snapshot	Yes	Yes	Yes
CVBS Output	Yes (via USB)	Yes (via USB)	Yes (via USB)
Multi Language menu	Yes	Yes	Yes
Battery Type	Built-in rechargeable Lithium battery	Built-in rechargeable Lithium battery	Built-in rechargeable Lithium battery
Battery Operating Time	More than 7.5 hours continuous running (with Wi-Fi hotspot function off)	More than 7.5 hours continuous running (with Wi-Fi hotspot function off)	More than 7.5 hours continuous running (with Wi-Fi hotspot function off)
Battery Capacity Display	Yes	Yes	Yes
Power	5 VDC/2 A, 1.5 W	5 VDC/2 A, 1.5 W	5 VDC/2 A, 1.5 W
Interface	USB Type-C	USB Type-C	USB Type-C
Working Temperature	-20°C to 55°C (-4°F to 131°F)	-20°C to 55°C (-4°F to 131°F)	-20°C to 55°C (-4°F to 131°F)
Protection Level	IP67	IP67	IP67
Drop Test Height	1.5 m (4.9 feet)	1.5 m (4.9 feet)	1.5 m (4.9 feet)
Dimension	158 x 61 x 57 mm (6.23 x 2.4 x 2.2 in)	171 x 61 x 57 mm (6.73 x 2.4 x 2.2 in)	171 x 61 x 57 mm (6.73 x 2.4 x 2.2 in)
Weight	290 g (0.64 lb)	310 g (0.68 lb)	300 g (0.69 lb)

Specifications are subject to change without notice.



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